

Converting Colors

`RYB(164, 209, 156)`

Have a look what the booklet for
RYB(164, 209, 156) contains.

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Color

R_YB(164, 209, 156)

Conversions

Conversions Part 1

Format	Color
Hex	D1CA9C
RGB	209, 202, 156
RGB Percent	82%, 79%, 61%
CMY	0.1804, 0.2077, 0.3882
CMYK	0.00, 0.03, 0.25, 0.18
HSL	52°, 37%, 72%
HSV	52°, 25%, 82%
XYZ	53.4273, 58.2198, 39.8741
YIQ	198.8490, 18.9380, -12.8220

Conversions

Conversions Part 2

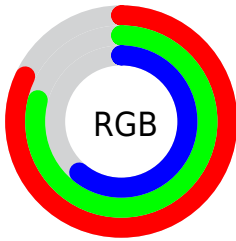
Format	Color
RYB	164, 209, 156
Decimal	13748892
CIELab	80.86, -4.86, 23.91
CIELCh	81, 24.400, 101.481
Yxy	58.2198, 0.3526, 0.3842
Android (android.graphics.Color)	4291938972 (0xFFD1CA9C)
YUV	198.8490, -21.1246, 8.9024
Hunter-Lab	76.3019, -8.5408, 22.4273

Details

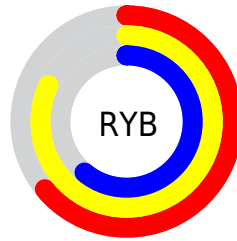
The RYB color **164, 209, 156** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **156, 162, 209**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **211, 255, 211**, and **111, 154, 104** is the 20% darker color. If you saturate the color by 10%, you get **147, 209, 135**, and if you desaturate by 10%, it is **182, 209, 177**.

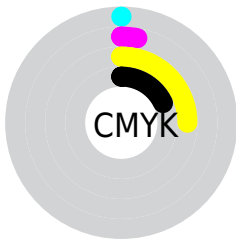
Distribution



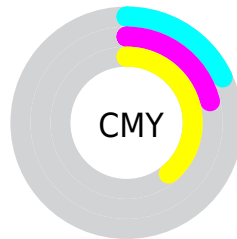
- Red (82%)
- Green (79%)
- Blue (61%)



- Red (64%)
- Yellow (82%)
- Blue (61%)



- Cyan (0%)
- Magenta (3%)
- Yellow (25%)
- Black (18%)



- Cyan (18%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 209, 156 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 164, 209, 156 by changing the saturation by 10% instead.


 164, 209, 156


255, 255, 255


 211, 255, 211


 239, 255, 239

 164, 209, 156

 137, 181, 130

 111, 154, 104

 87, 128, 80

 61, 102, 57

 37, 77, 34

 16, 54, 13

 2, 32, 0

 0, 6, 6

 0, 0, 0

 164, 209, 156

 164, 209, 156

 147, 209, 135

 182, 209, 177

 128, 209, 114

 199, 209, 198

 110, 209, 93

 209, 210, 219

 93, 209, 72

 209, 213, 240

 76, 209, 52


 209, 215, 255

 57, 209, 31

 209, 217, 255

 40, 209, 10

 209, 219, 255

 31, 209, 0

 209, 220, 255

 209, 222, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231, 229, 158



164, 209, 156



166, 209, 192

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



164, 209, 156



138, 179, 230



238, 186, 216

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



164, 209, 156



156, 162, 209

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



215, 192, 235



164, 209, 156



156, 188, 243

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



164, 209, 156



140, 178, 214



186, 197, 245



248, 185, 193

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



164, 209, 156



166, 202, 212



186, 197, 245



231, 188, 223

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



164, 209, 156



239, 255, 235



209, 156, 163



117, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



164, 209, 156



191, 255, 179



156, 209, 175



96, 105, 94



25, 168, 0



7, 41, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



156, 162, 209



179, 188, 255



175, 156, 209



94, 95, 105



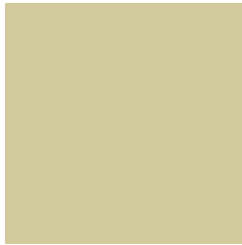
0, 19, 168



0, 4, 41

Previews

White Background



This preview shows how the RYB color 164, 209, 156 looks on a white background.

Color Contrast Check

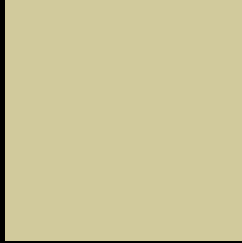
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 164, 209, 156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

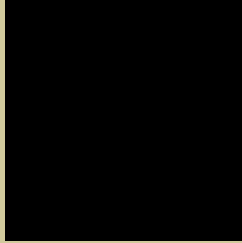
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

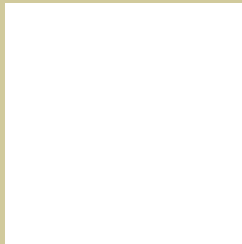
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 164, 209, 156 Background



This preview shows how black text looks on a background with the RYB color 164, 209, 156.



This preview shows how white text looks on a background with the RYB color 164, 209, 156.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
164, 209, 156

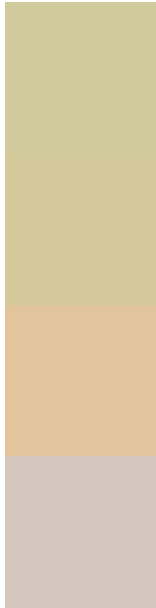
Protanopia
173, 214, 155

Deuteranopia
235, 222, 158



Tritanopia
216, 195, 210

Trichromacy



Original Color
164, 209, 156

Protanomaly
169, 212, 155

Deuteranomaly
210, 226, 157

Tritanomaly
213, 202, 190

Monochromacy



Original Color
164, 209, 156

Achromatopsia
199, 199, 199

Achromatomaly
187, 203, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 209, 156 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(209, 202, 156) looks like.

```
.text, #text, p{  
    color:rgb(209, 202, 156)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 202, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 202, 156) }
```

Border

The CSS property to change the border of an element to RYB 164, 209, 156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 202, 156) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(209, 202, 156) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(209, 202, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 202, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 202, 156);  
box-shadow:4px 4px 4px 4px rgb(209, 202,  
156) }
```

Background

The CSS property to change the background color of an element to RYB 164, 209, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 202, 156) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209,  
202, 156) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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